



# FEMA



Prepared by  
*Brian Hoeth*  
*Matthew Bloemer*

# FEMA Region 6 Weather Threat Briefing

Tuesday, October 23, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



**SR ROC**  
REGIONAL OPERATIONS CENTER

## Today and Wednesday

- Isolated heavy rain/flash flooding possible today over **NM** into **West, Southwest, and Central TX**.
- Isolated heavy rain/flash flooding possible **Wednesday** for much of **SW, Central and SE TX** into **S LA**.

## Thursday

- Heavy Rain areas will be clearing **TX/LA** in the morning.
- No significant weather after noon.

## Friday - Saturday

- No significant weather expected.

## River Flood Status

- **Moderate to Major River flooding is ongoing or expected across Texas.**
  - Points along the Nueces river in **STX** will be in **Major Flood** at times over the next week as water moves downstream. Near Cotulla, the river has crested and is slowly receding. At Tilden a crest is expected **Wednesday**; evacuation of livestock and a few residential properties may be required.
  - The Trinity River at Liberty is in **Moderate flood** near and cresting this morning near Trinidad, Long Lake and Crockett. Flood wave will move downstream throughout this upcoming week with impacts of major lowland and agricultural flooding and several subdivisions above Liberty likely flooding.
- **Additional rainfall today and tomorrow in Central TX** will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding. Basins of concern are primarily in the Hill Country and include the **Guadalupe, San Antonio and Nueces** systems.

## Tropical Outlook

- No new tropical cyclones are expected during the next five days.
- Moisture from **Willa** (in the **Eastern Pacific**) and its remnants will increase rain chances across portions of **NM** and **TX** the next few days and into **LA** by mid to late this week.

# FEMA Region 6 Threat Matrix

Oct 23, 2018 – Oct 27, 2018



**SR ROC**  
REGIONAL OPERATIONS CENTER

DAY / THREAT	TUE	WED	THU	FRI	SAT
Severe Storms					
Heavy Rain / Flash Flooding	SW & Central TX	SW & Central TX	Morning S LA		
	NM into W TX	South & East TX LA			
Winter Weather					
Tropical Weather					
River Flooding	TX	TX	TX	TX	TX

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

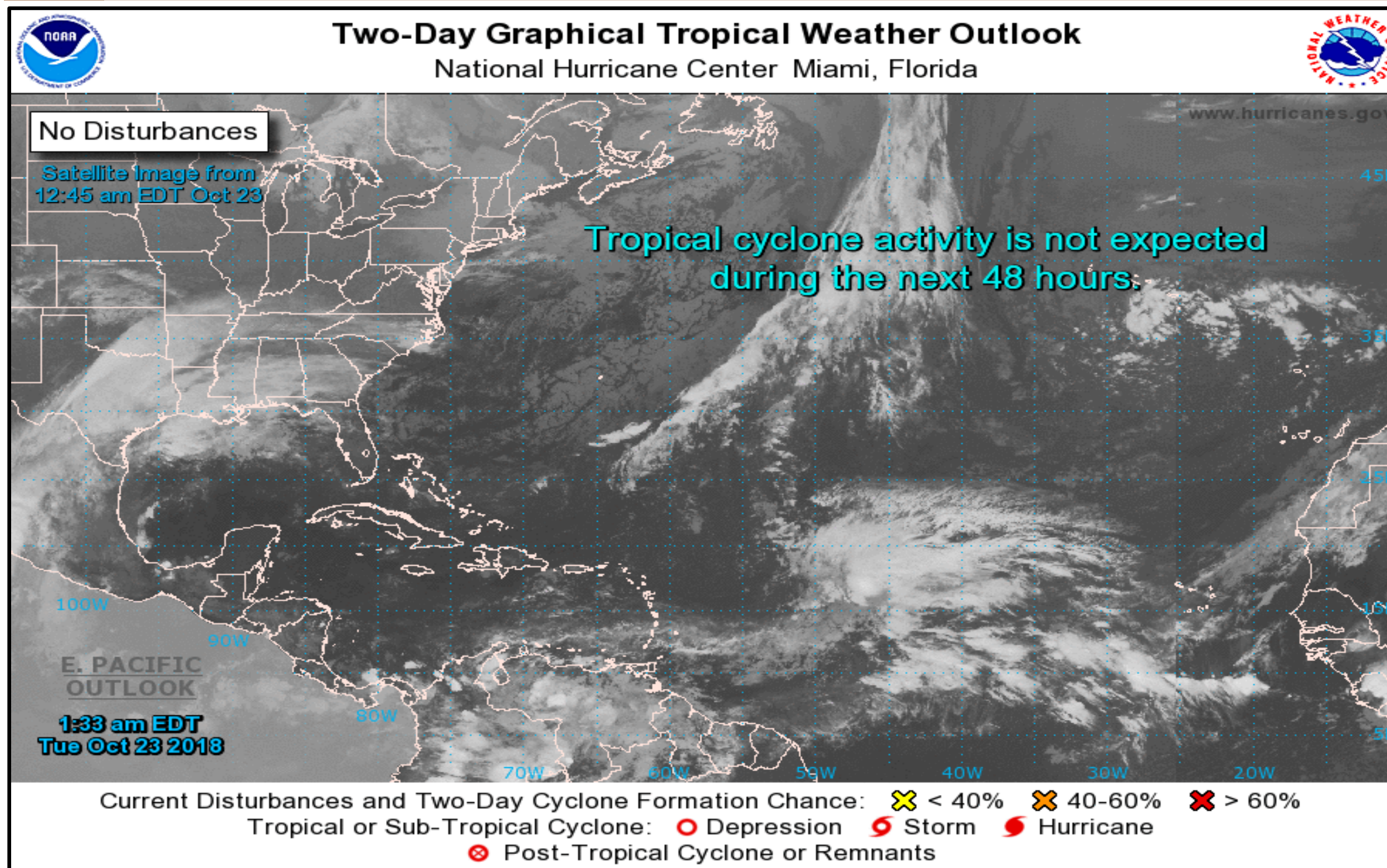
*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf

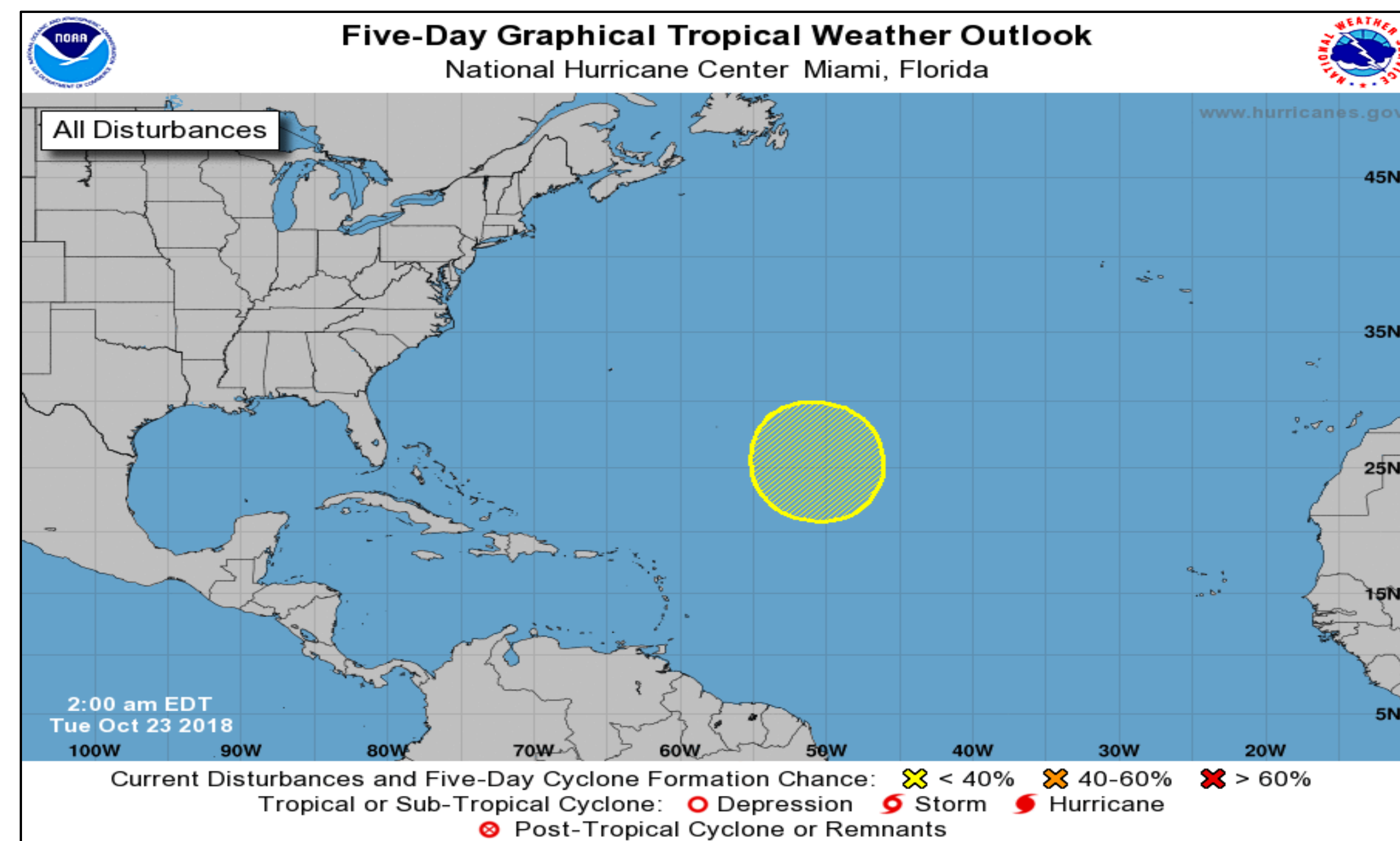


SR ROC  
REGIONAL OPERATIONS CENTER



A broad area of low pressure is expected to form in a couple of days several hundred miles east-northeast of the northern Leeward Islands. Some tropical or subtropical development of this system is possible by the weekend while it meanders over the central Atlantic Ocean.

\* Formation chance through 48 hours...low...near 0 percent. \*  
Formation chance through 5 days...low...20 percent.



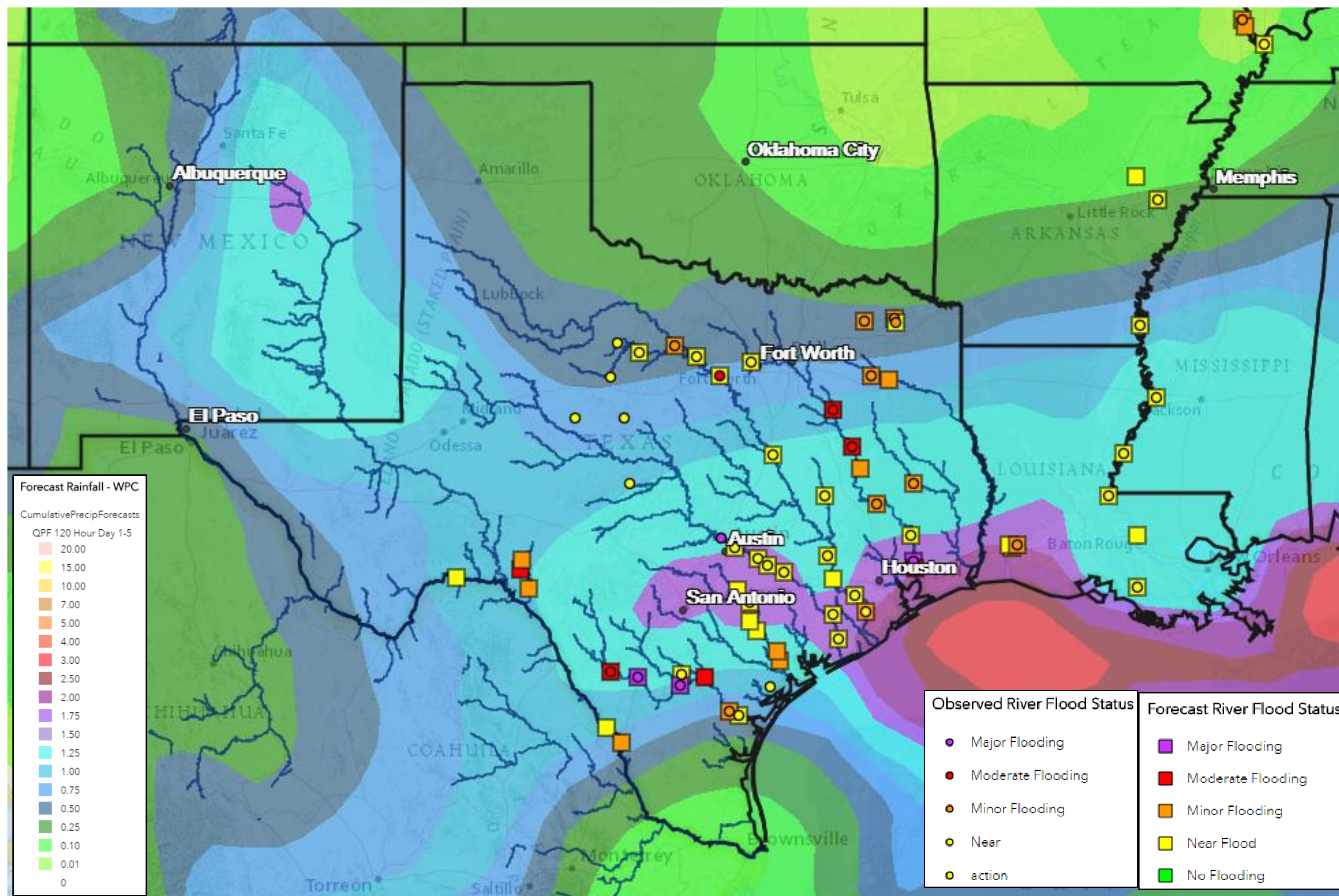


# 5-Day Precipitation Forecast & River Flood Status



**SR ROC**  
REGIONAL OPERATIONS CENTER

*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**Moderate to Major River flooding is ongoing or expected across Texas.**

- Points along the Nueces river in STX will be in Major Flood at times over the next week as water moves downstream. Near Cotulla, the river has crested and is slowly receding. At Tilden a crest is expected Wednesday; evacuation of livestock and a few residential properties may be required.
- The Trinity River at Liberty is in Moderate flood near and cresting this morning near Trinidad, Long Lake and Crockett. Flood wave will move downstream throughout this upcoming week with impacts of major lowland and agricultural flooding and several subdivisions above Liberty likely flooding.

**Additional rainfall over the next few days in Central TX will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding. Basins of concern are primarily in the Hill Country and include the Guadalupe, San Antonio and Nueces systems.**

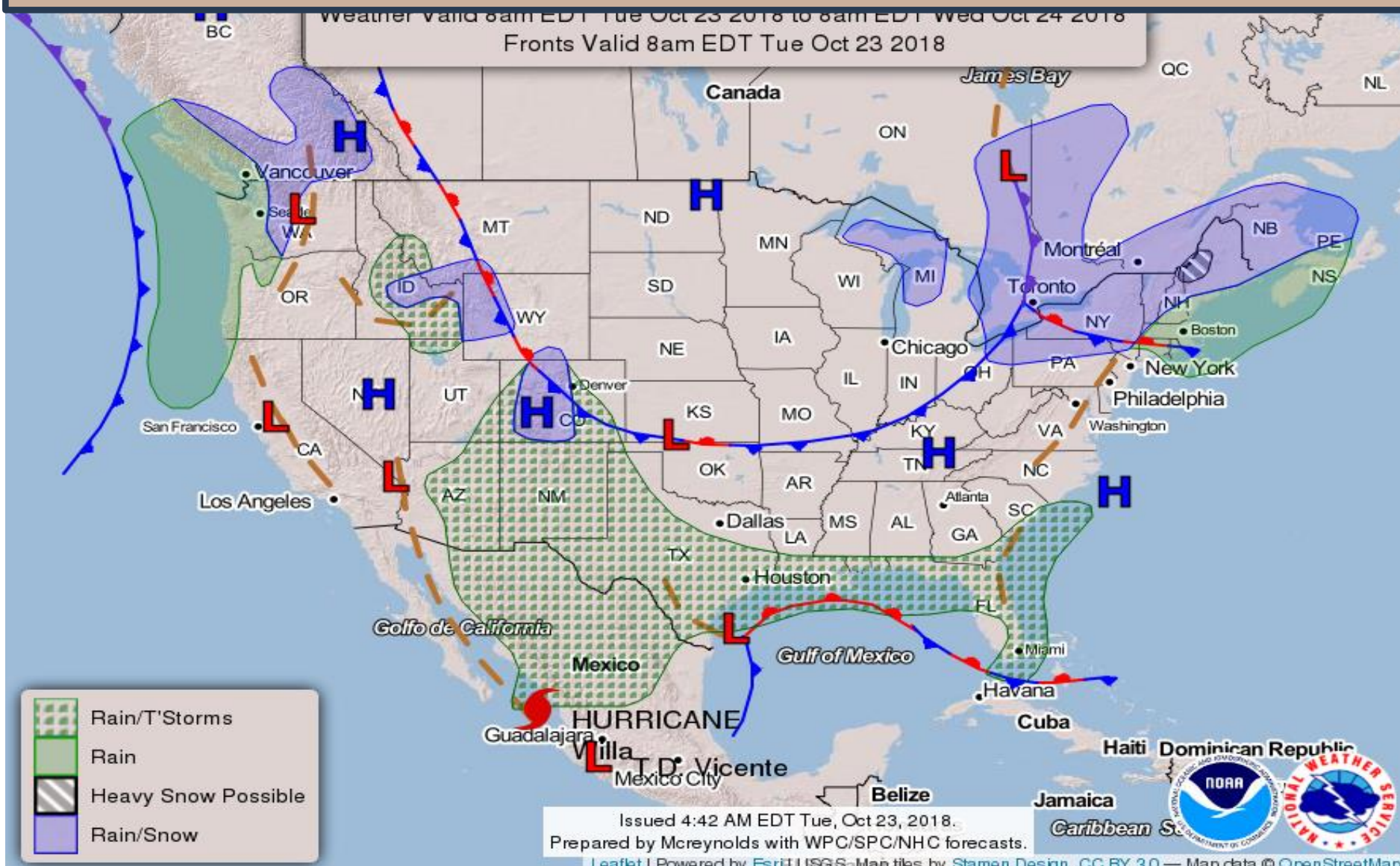


# Today's Weather

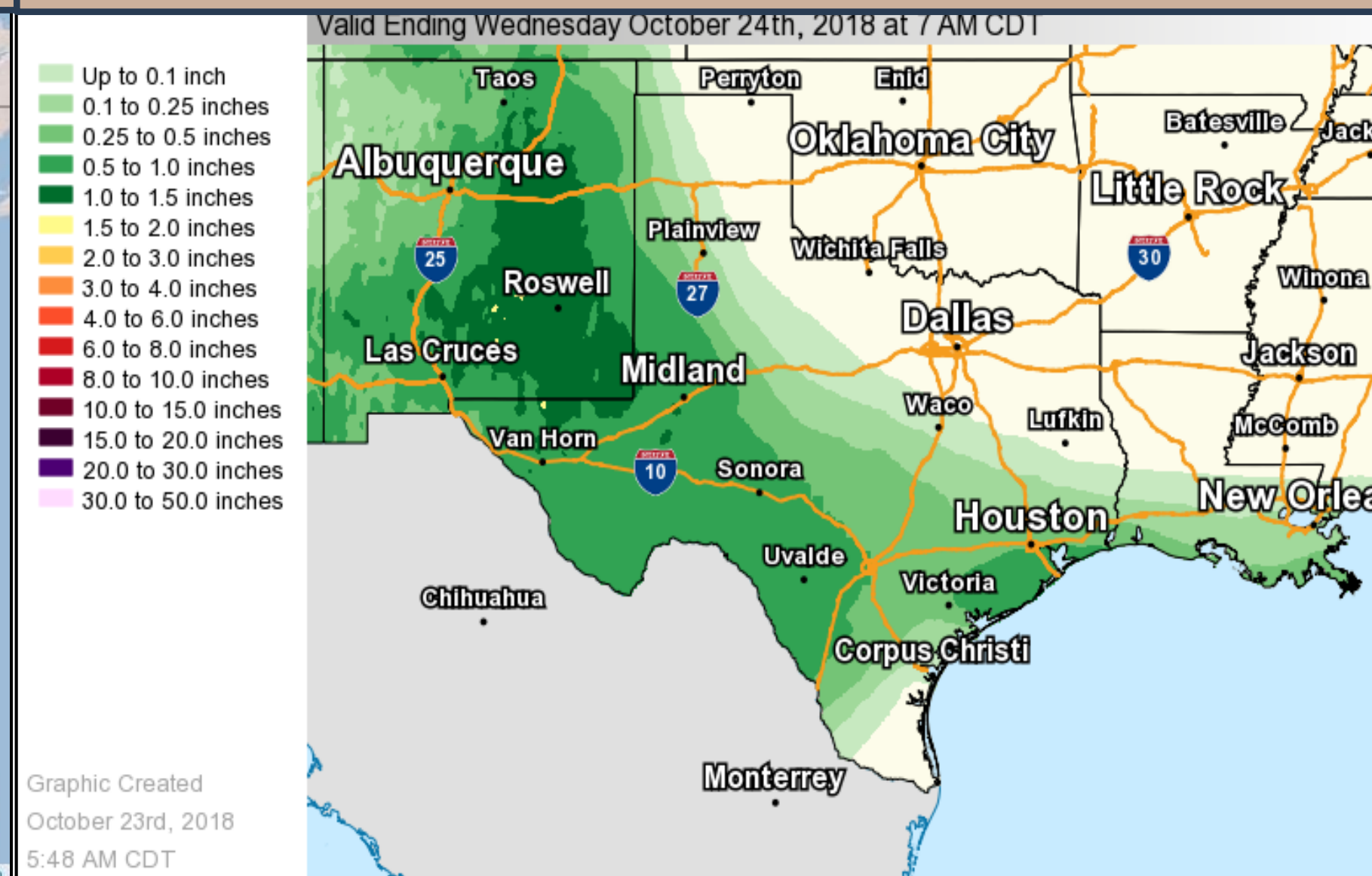


SR ROC  
REGIONAL OPERATIONS CENTER

## Forecast Chart



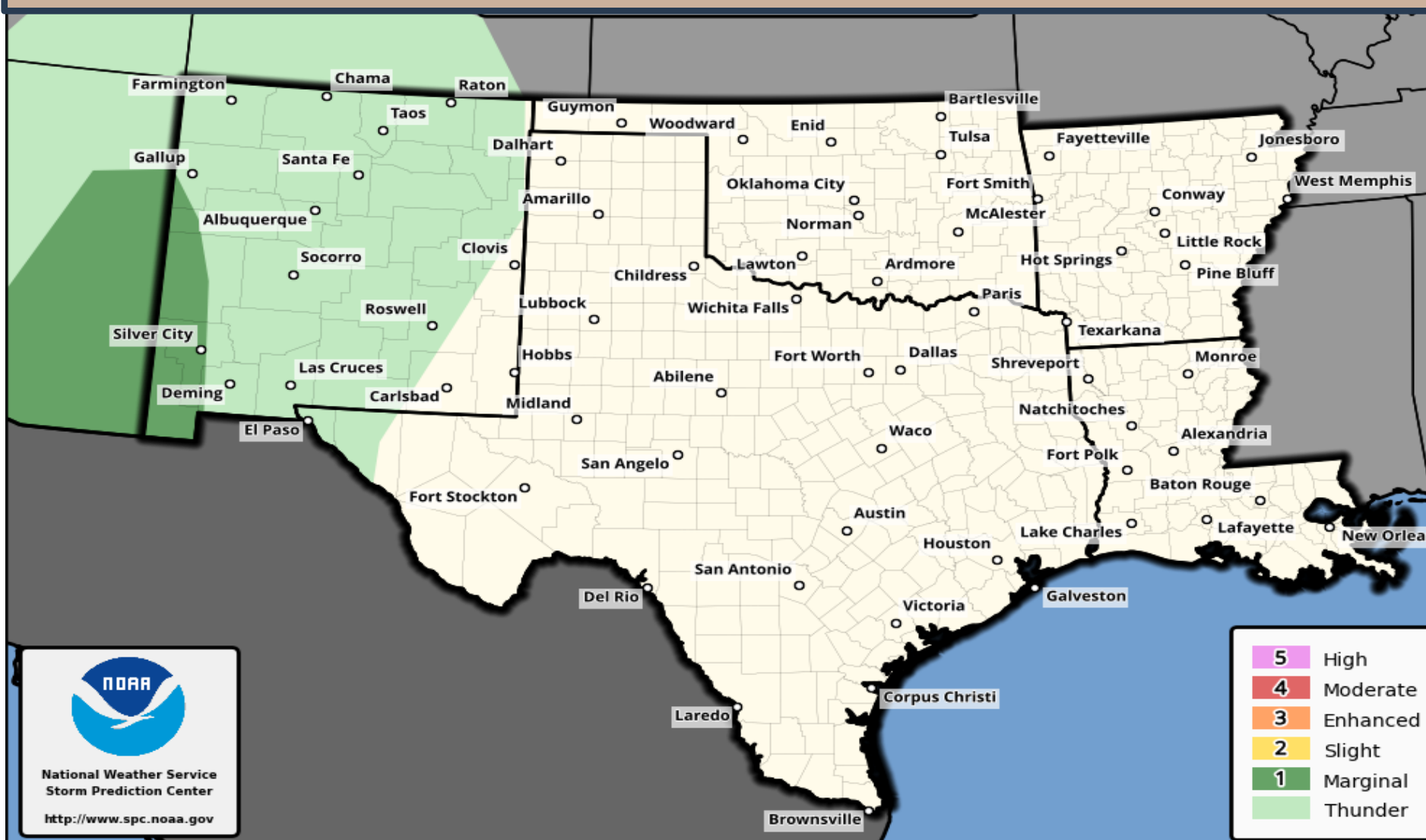
## Forecast Rainfall



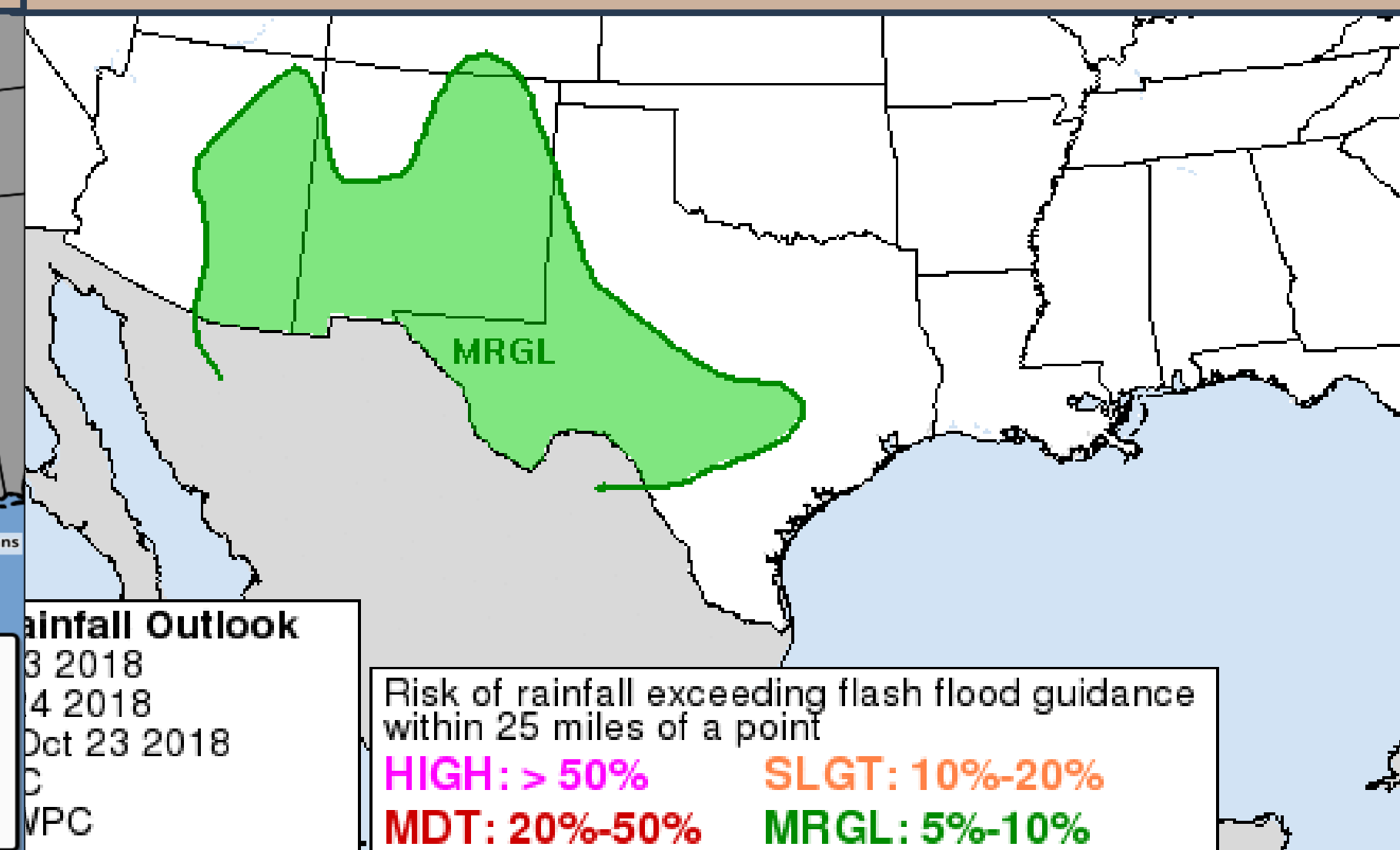
Persistent rain today over already-vulnerable areas of SW & S-Central TX may lead to some isolated flash flooding.

Widespread rainfall expected over NM and W TX as well; some locations could see heavy rain, which would lead to isolated flash flooding.

## Severe Weather Outlook



## Excessive Rainfall Outlook



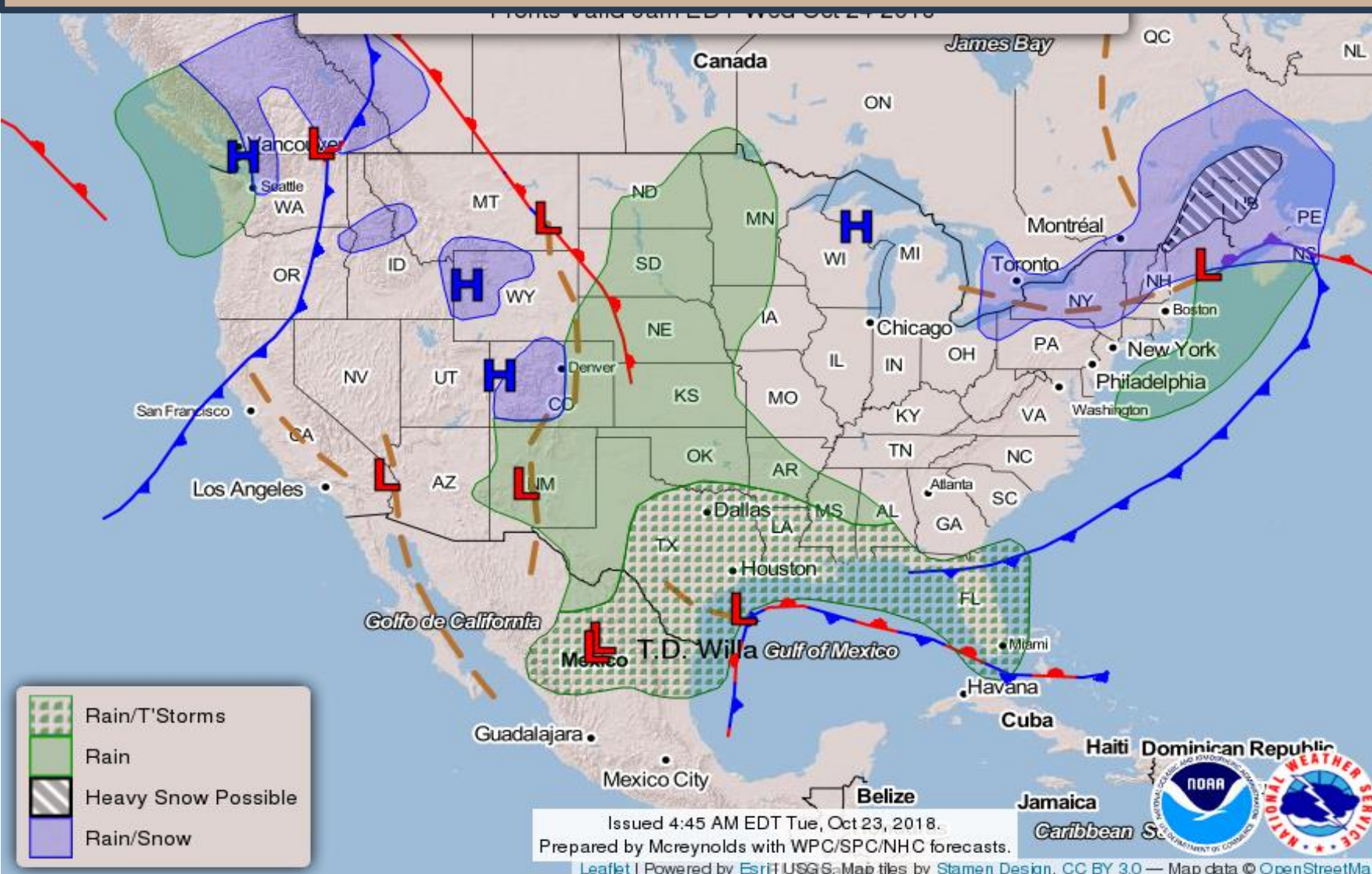


# Tomorrow's Weather

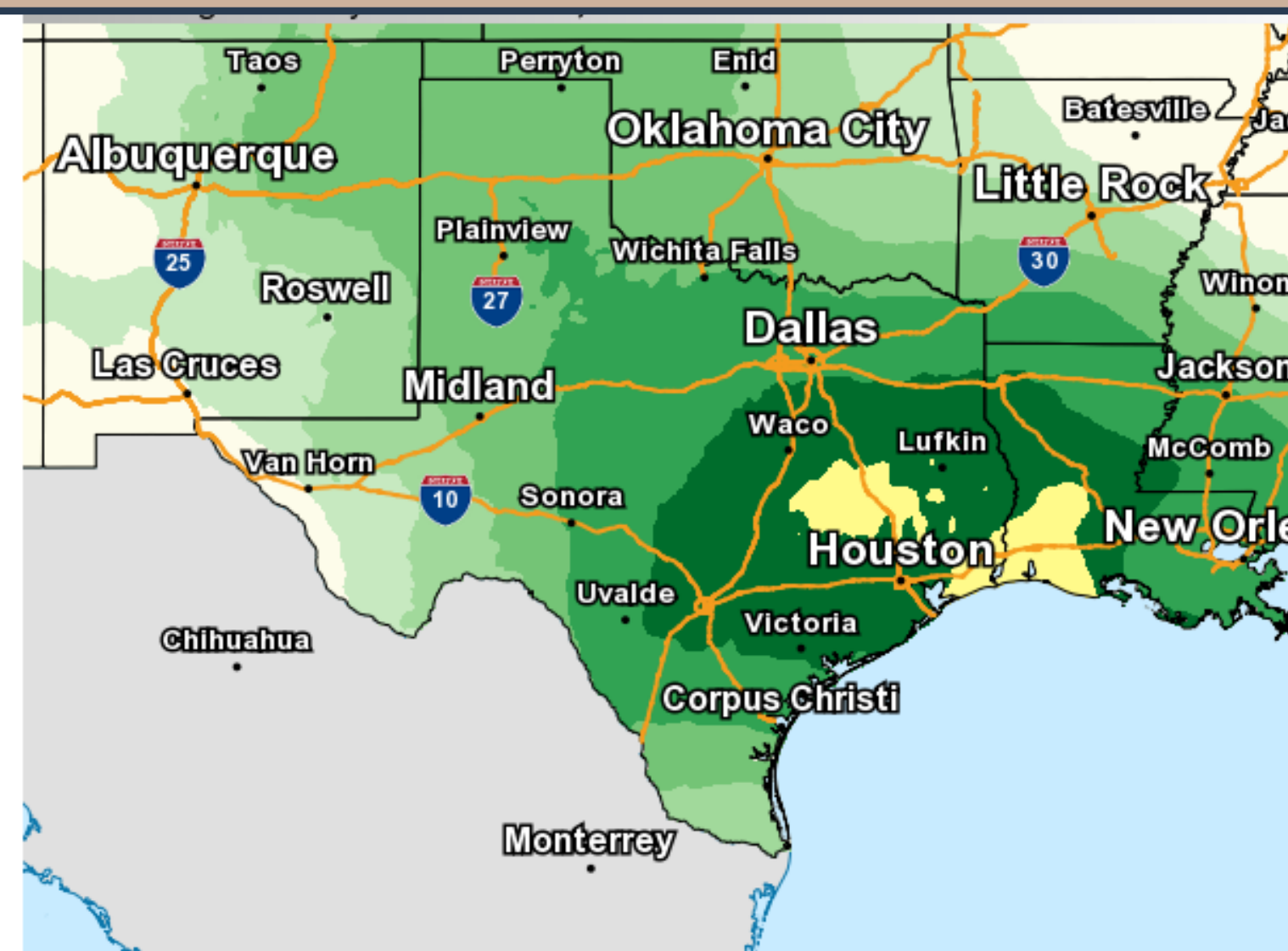
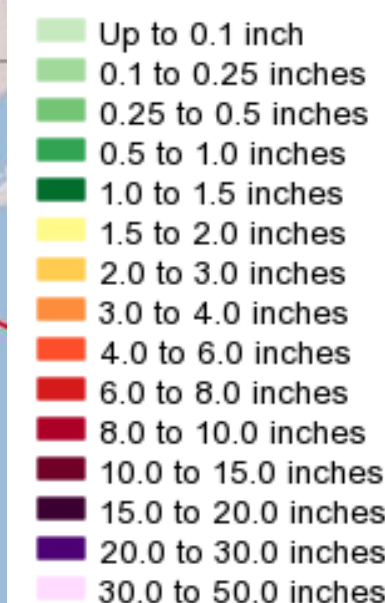


SR ROC  
REGIONAL OPERATIONS CENTER

## Forecast Chart



## Forecast Rainfall

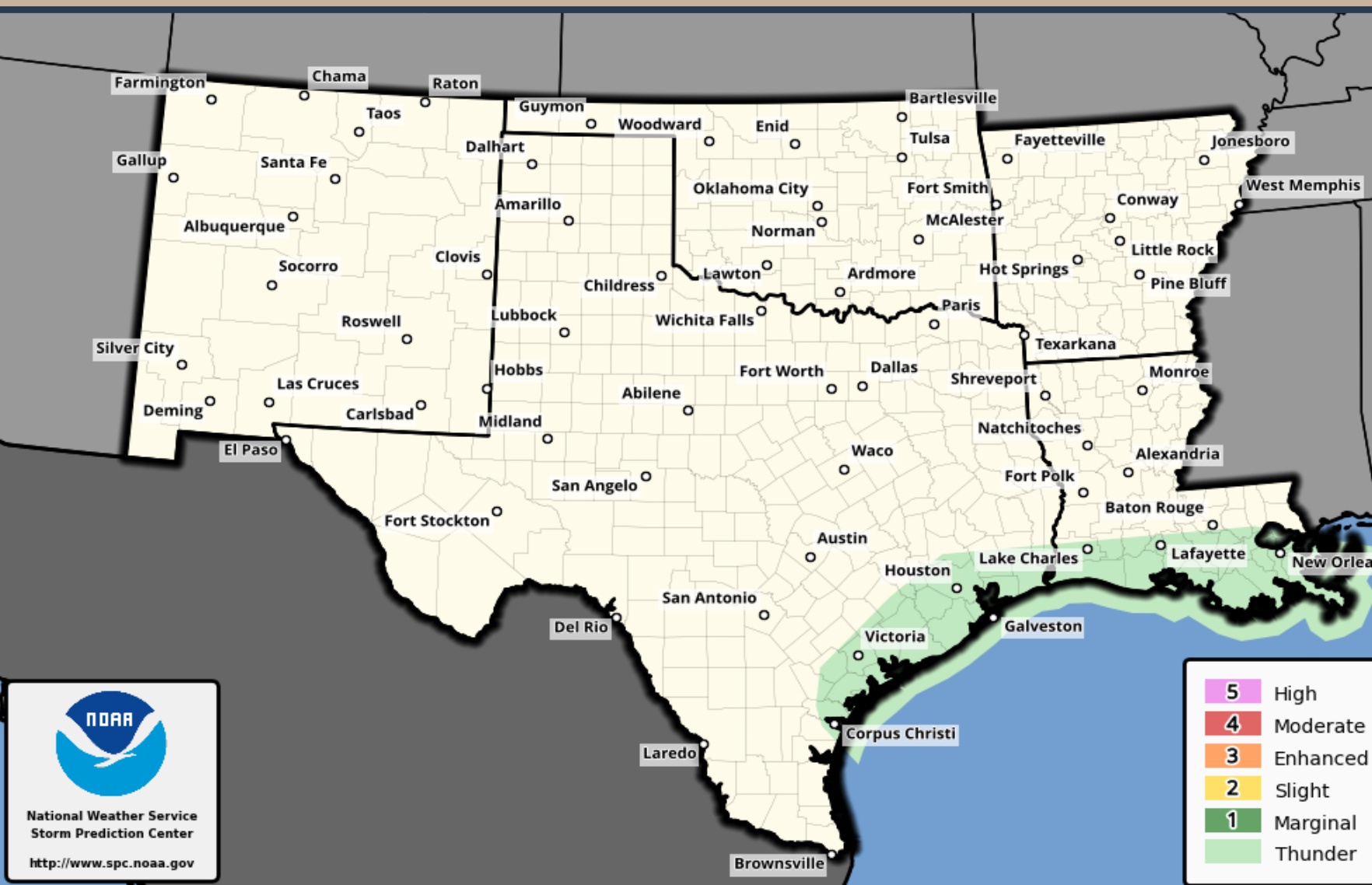


Graphic Created  
October 23rd, 2018  
5:49 AM CDT

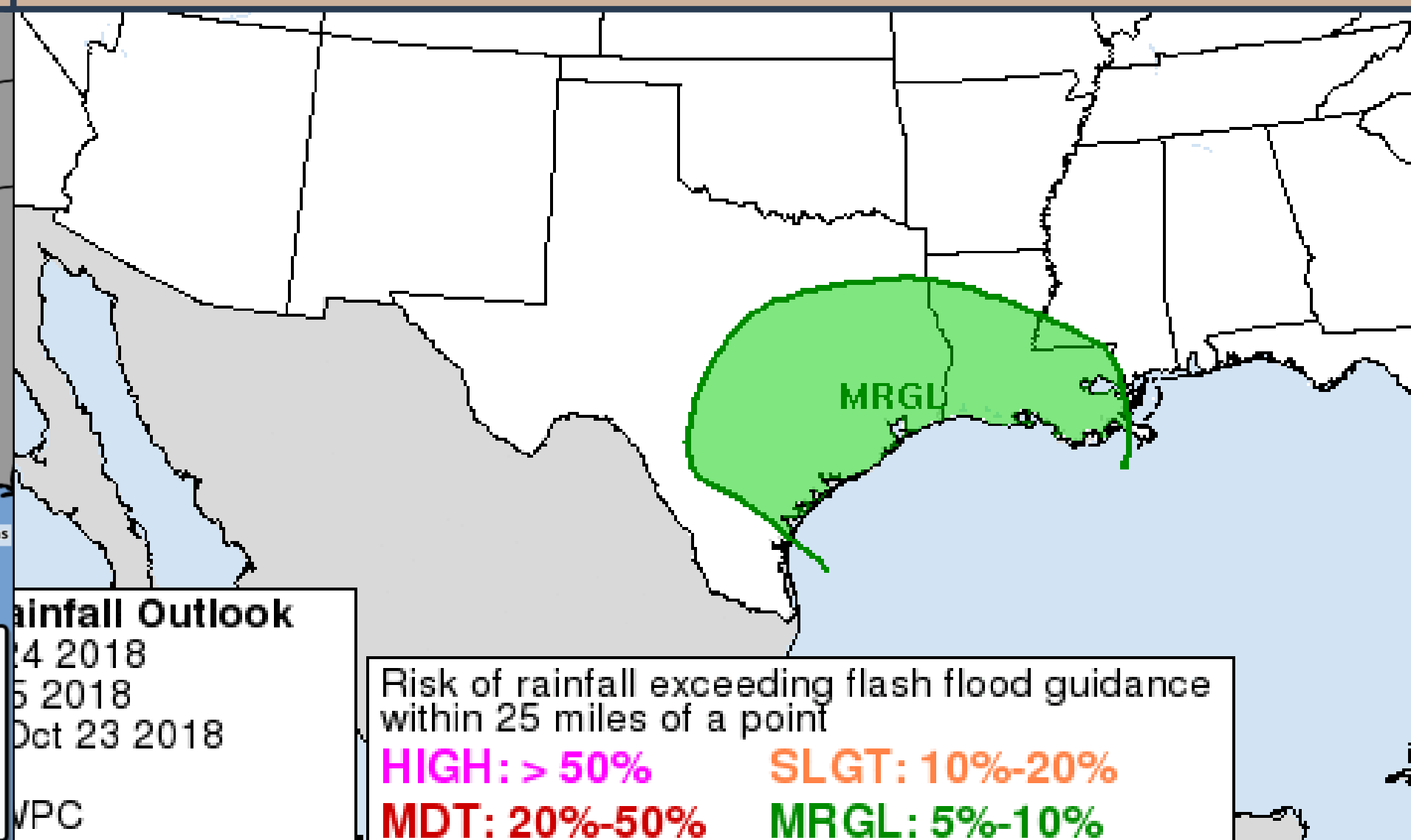
**Persistent rain on Wednesday over already-vulnerable areas of SW, SE & S-Central TX may lead to some isolated flash flooding.**

**Widespread rainfall expected over South and East TX into Louisiana as well; some locations could see heavy rain, which would lead to isolated flash flooding.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



Rainfall Outlook  
4 2018  
5 2018  
Oct 23 2018  
WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point  
**HIGH: > 50%** **SLGT: 10%-20%**  
**MDT: 20%-50%** **MRGL: 5%-10%**



# Thursday's Weather

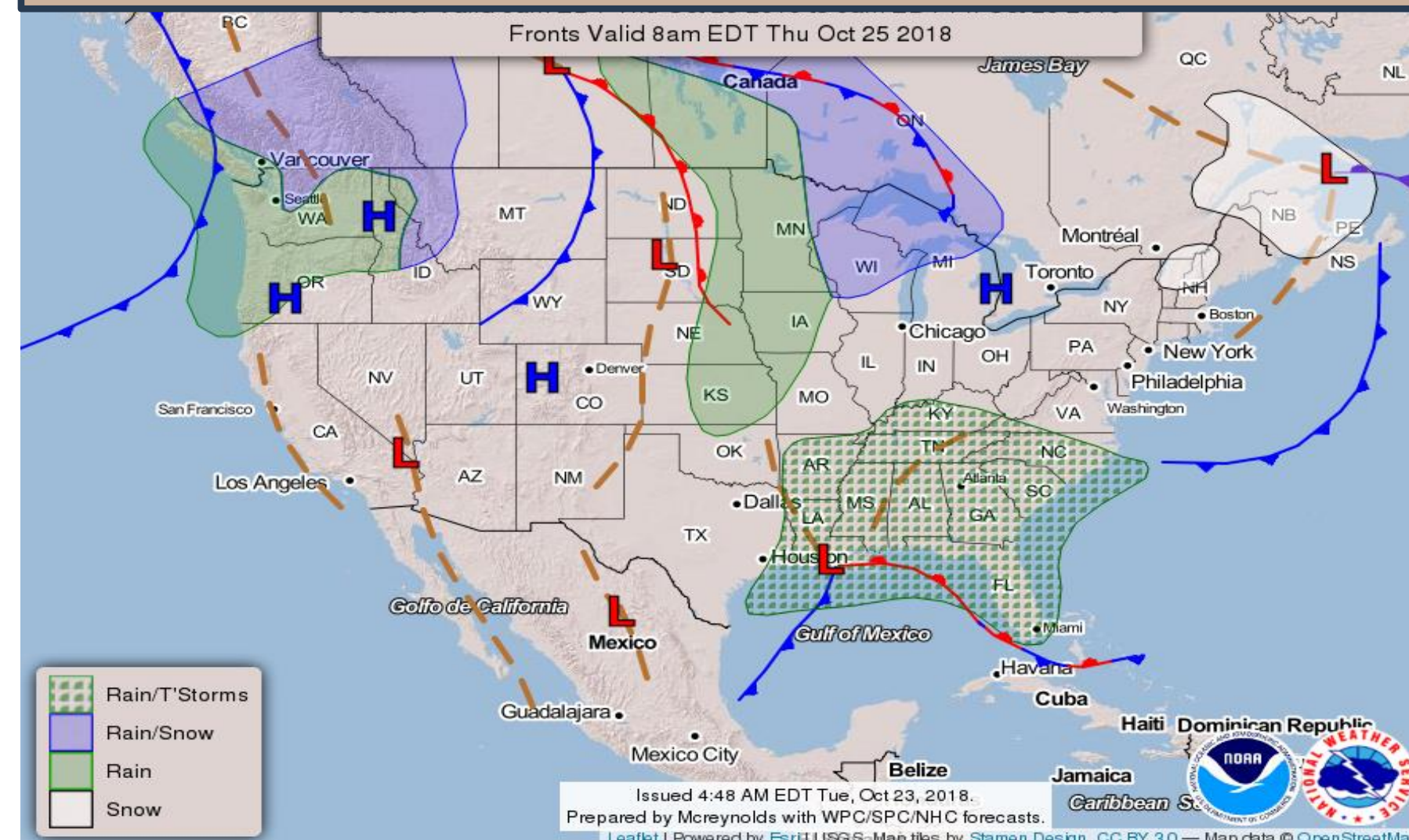


SR ROC  
REGIONAL OPERATIONS CENTER

## Forecast Chart

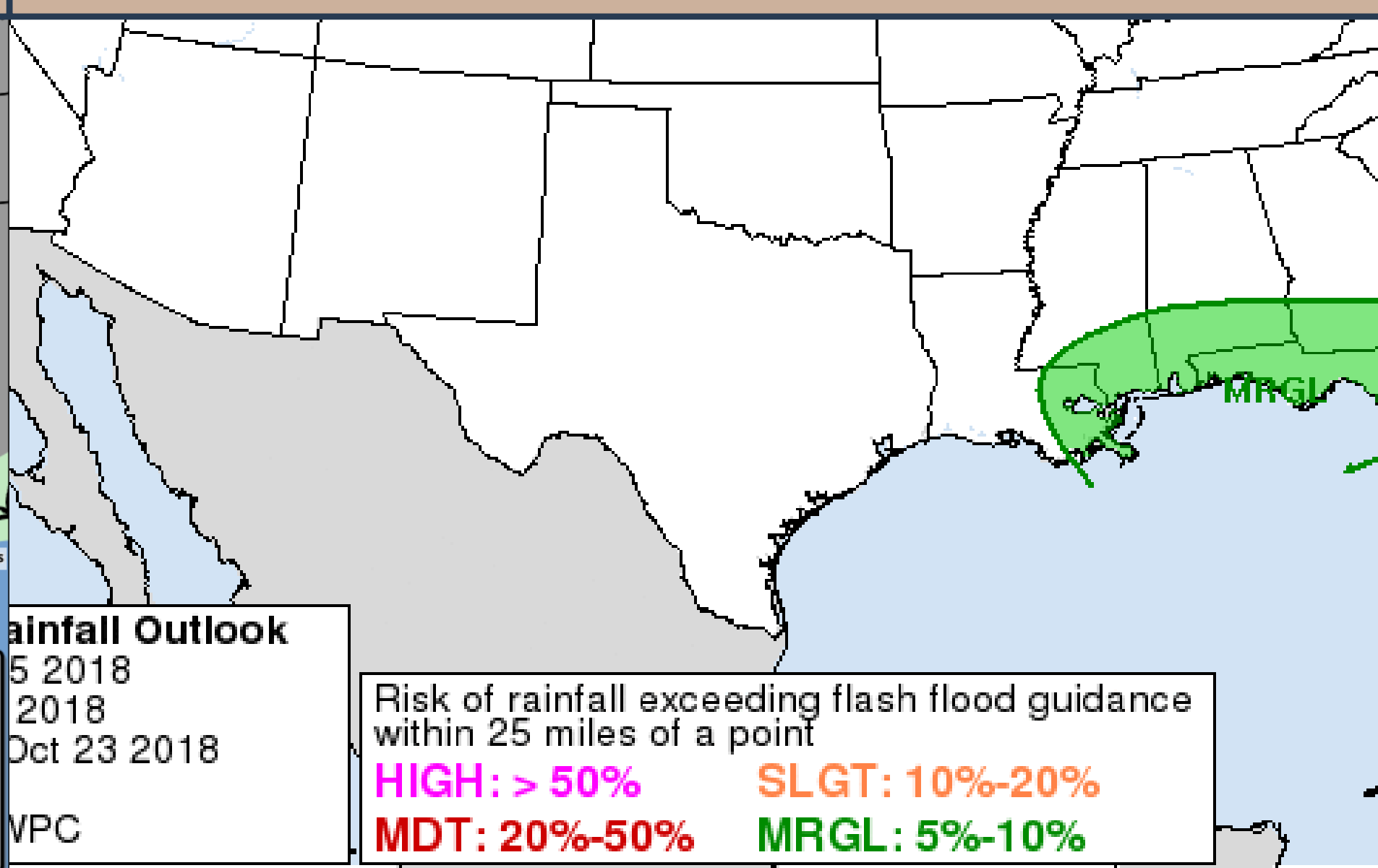
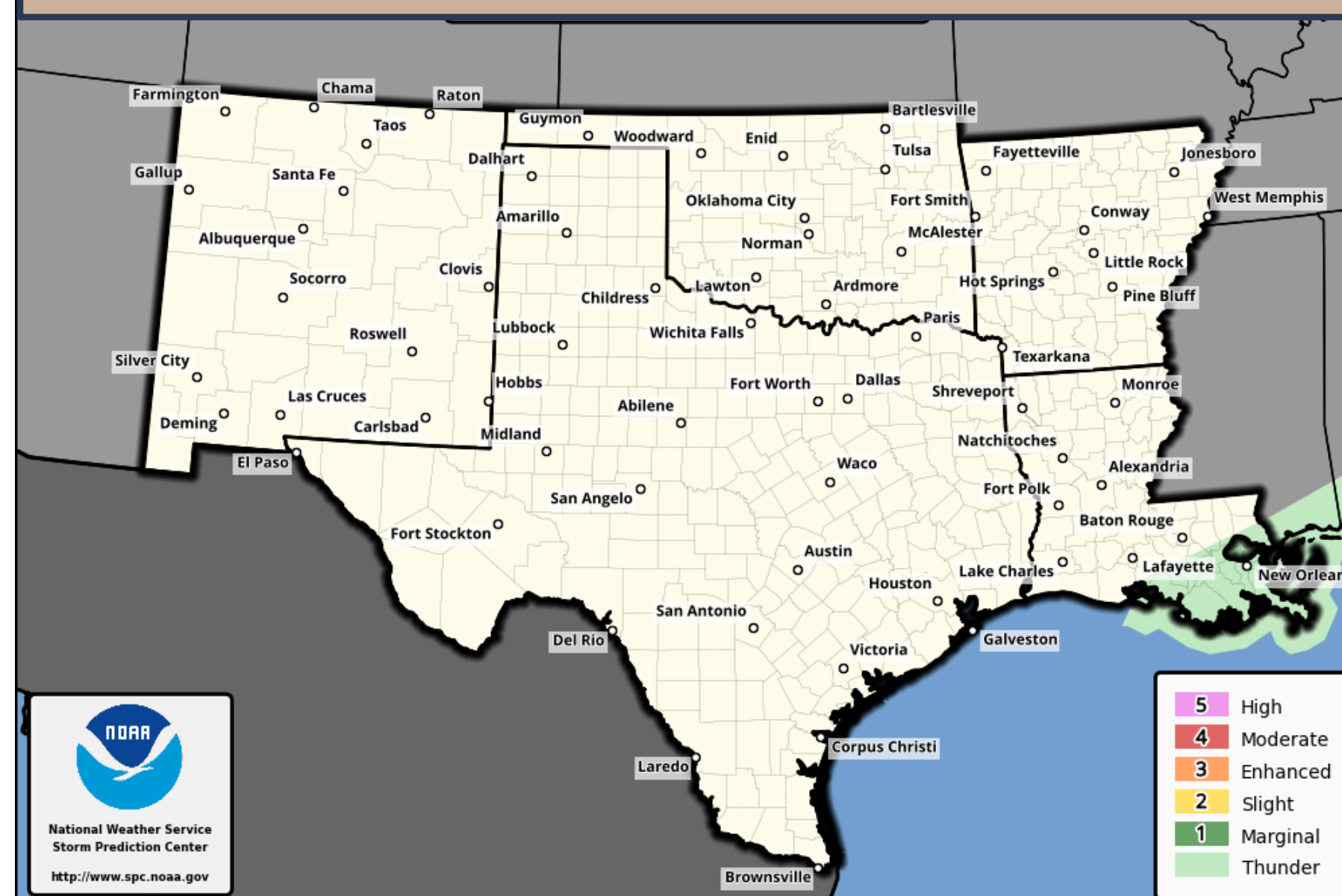
## Forecast Rainfall

Isolated Flash flooding  
possible in SE LA in the  
morning.



## Severe Weather Outlook

## Excessive Rainfall Outlook



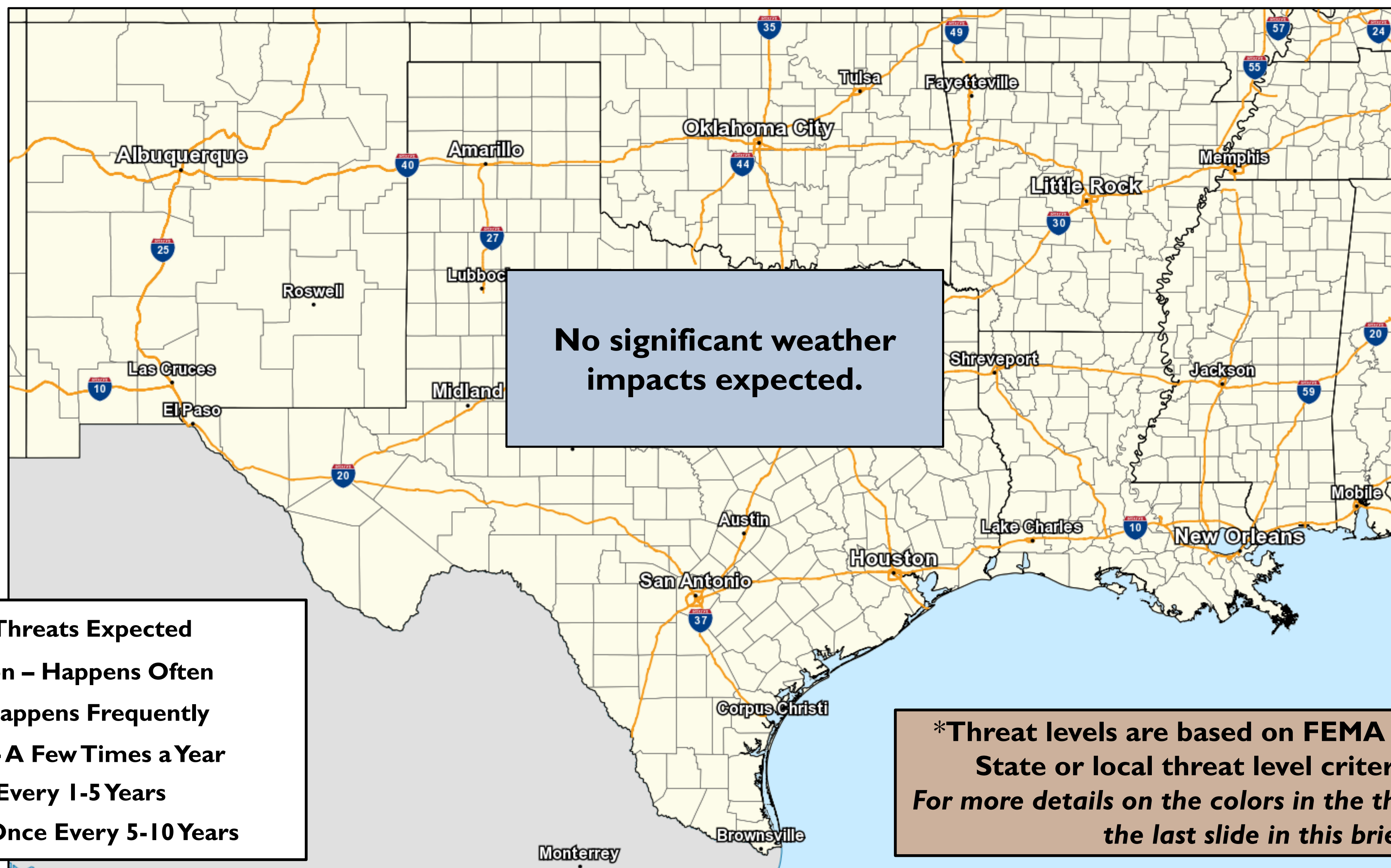


# Days 4-5 Weather Hazards

Friday - Saturday



SR ROC  
REGIONAL OPERATIONS CENTER



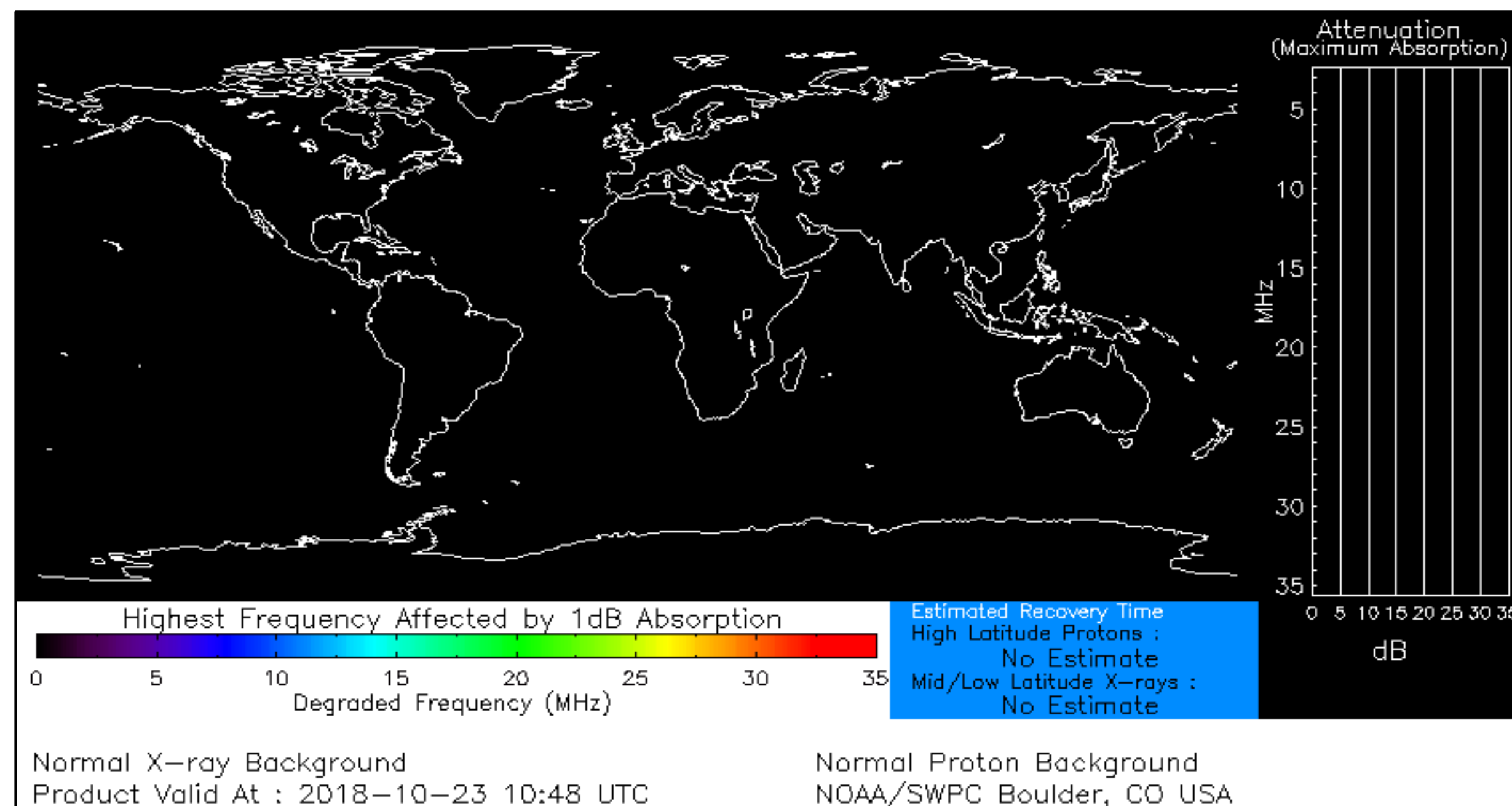


# Space Weather 3-Day Forecast



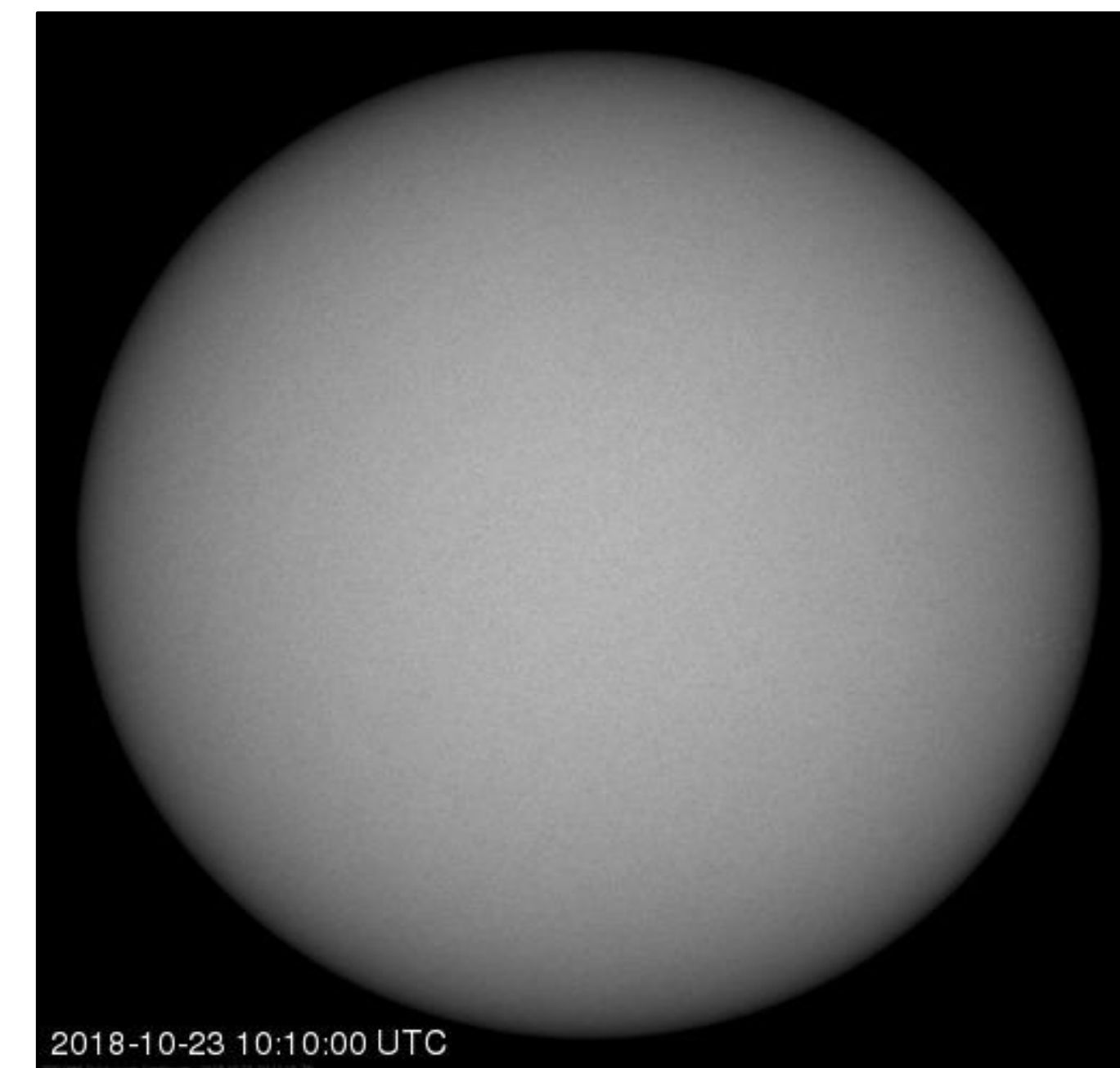
**SR ROC**  
REGIONAL OPERATIONS CENTER

	Tuesday	Wednesday	Thursday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet to Unsettled (Max Kp = 3)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**